

CLAIMS

1. An imaging system comprising:
means for transmitting a digital image;
an image base;
a sensor;
means for referencing positions on a dummy;
echographic display means;
means for recalculation of a three-dimensional image; and
means for receiving expert assessment results combining videoconference ability and
the possibility of remote manipulation of two-dimensional images.

2. A workstation comprising means for acquisition of a three-dimensional image, means for processing said three-dimensional image in the system according to Claim 1, and means for linking multiple physical devices.

3. The workstation for the acquisition and processing of a three-dimensional image according to Claim 2, comprising:

- a central unit,
- a display screen,
- a high-definition digitalization card enabling acquisition of an echograph video signal,
- a three-dimensional position sensor giving spatial positions of the echographic probe,
- videoconference means integrating an electronic card and a two-way video input, a color camera, a microphone and a headset,
- means for connecting to a communication network and an echograph, and
- means for temporarily storing data acquired from the echograph until transmitted to a selected recipient then exploited in the videoconference.

4. A workstation for implementation of the system according to Claim 1, adapted to receive a file for expert assessment, performance of a virtual echographic examination (display of sectional planes from a three-dimensional matrix), transmission of an electronic report and hosting a session of receiving expert assessment combining videoconference and remote manipulation of the three-dimensional matrix.

5. The workstation according to Claim 4, comprising a central unit, a screen, a three-dimensional position sensor giving spatial positions of a virtual echographic probe, a videoconference kit combining an electronic card and a two-way video input, a color camera, a microphone and a headset, a reproduction bank and a color ink-jet printer.

6. An imaging system comprising:
a digital image transmitter;
an image base;
a sensor;
means for referencing positions on a dummy;
an echographic display;
means for recalculation of a three-dimensional image; and
means for receiving expert assessment results combining videoconference ability and the ability to remotely manipulate two-dimensional images.

7. A workstation comprising:
means for acquisition of a three-dimensional image;
means for processing said three-dimensional image in a system according to Claim 1; and
means for linking multiple physical devices.

8. The workstation according to Claim 2, which comprises:

- a central unit,
- a display screen connected to the central unit,
- a high-definition digitalization card enabling acquisition of an echograph video signal associated with the central unit,
- a three-dimensional position sensor giving spatial positions of the echographic probe associated with the central unit,
- videoconference means integrating an electronic card and a two-way video input, a color camera, a microphone and a headset,
- means for connecting to a communication network and an echograph, and
- means for temporarily storing data acquired from the echograph until such data is transmitted to an expert present in a videoconference.

9. A workstation for implementation of a system according to Claim 1, adapted to receive a file for expert assessment, performance of a virtual echographic examination (display of sectional planes from a three-dimensional matrix), transmission of an electronic report and hosting a session of receiving expert assessment combining videoconference and remote manipulation of the three-dimensional matrix.

10. The workstation according to Claim 4, comprising a central unit, a screen, a three-dimensional position sensor giving spatial positions of a virtual echographic probe, a videoconference kit combining an electronic card and a two-way video input, a color camera, a microphone and a headset, a reproduction bank and a ink-jet printer.